

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 29, 2003, 11:20:23 ; Search time 18 Seconds
(without alignments)
1502.204 Million cell updates/sec

Title: US-08-153-397a-2
Sequence: 1 MGEPAISLLILLVLSGDA.....QRPFSQHLRELAEDALNTV 919

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents, AA: *
1: /cgn2_6/prodata/1/1aa/5A.COMB.pep: *
2: /cgn2_6/prodata/1/1aa/5B.COMB.pep: *
3: /cgn2_6/prodata/1/1aa/5A.COMB.pep: *
4: /cgn2_6/prodata/1/1aa/5B.COMB.pep: *
5: /cgn2_6/prodata/1/1aa/5A.COMB.pep: *
6: /cgn2_6/prodata/1/1aa/5B.COMB.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	4978	100.0	919	1	US-08-336-343A-2
2	4882	99.1	913	1	US-08-445-640-4
3	4882	99.1	913	3	US-08-170-558-4
4	4882	99.1	913	3	US-08-447-314-4
5	4882	99.1	913	3	US-08-445-461-4
6	2402	48.7	855	1	US-08-336-343A-4
7	2402	48.7	854	2	US-08-456-647B-20
8	2167	44.0	399	1	US-08-237-401A-20
9	2167	44.0	399	3	US-08-445-640-8
10	2167	44.0	399	3	US-08-170-558-8
11	2167	44.0	399	3	US-08-447-314-8
12	2167	44.0	399	3	US-08-445-461-8
13	1667	33.8	317	2	US-08-701-191A-25
14	838	17.0	156	2	US-08-162-402B-20
15	648.5	13.2	821	1	US-08-339-578-2
16	646	13.1	825	2	US-08-469-537A-73
17	645	13.1	822	2	US-08-359-705B-2
18	645	13.1	822	2	US-08-286-846A-2
19	645	13.1	822	2	US-08-457-880A-2
20	645	13.1	822	3	US-08-444-622A-2
21	645	13.1	822	3	US-08-942-562-2
22	645	13.1	822	4	US-09-156-923-2
23	645	13.1	847	2	US-08-286-305A-5
24	645	13.1	847	2	US-08-441-104A-5
25	645	13.1	847	2	US-08-440-816A-5
26	645	13.1	847	4	US-09-417-381A-5
27	643	13.0	279	2	US-08-469-537A-51

28	640.5	13.0	850	1	US-08-286-305A-7	Sequence 7, Appl1
29	640.5	13.0	850	2	US-08-441-104A-7	Sequence 7, Appl1
30	640.5	13.0	850	2	US-08-440-816A-7	Sequence 7, Appl1
31	640.5	13.0	850	4	US-09-417-381A-7	Sequence 7, Appl1
32	627	12.7	790	2	US-08-359-705B-9	Sequence 9, Appl1
33	627	12.7	790	2	US-08-286-846A-9	Sequence 9, Appl1
34	627	12.7	790	2	US-08-457-880A-9	Sequence 9, Appl1
35	627	12.7	790	3	US-08-444-622A-9	Sequence 9, Appl1
36	627	12.7	790	3	US-08-942-562-9	Sequence 9, Appl1
37	627	12.7	790	4	US-09-156-923-9	Sequence 9, Appl1
38	627	12.7	814	1	US-08-286-305A-3	Sequence 3, Appl1
39	627	12.7	814	2	US-08-441-104A-3	Sequence 3, Appl1
40	627	12.7	814	2	US-08-440-816A-3	Sequence 3, Appl1
41	627	12.7	814	4	US-09-417-381A-3	Sequence 3, Appl1
42	623.5	12.7	839	2	US-08-359-705B-6	Sequence 6, Appl1
43	623.5	12.7	839	2	US-08-286-846A-6	Sequence 6, Appl1
44	623.5	12.7	839	2	US-08-457-880A-6	Sequence 6, Appl1
45	623.5	12.7	839	3	US-08-444-622A-6	Sequence 6, Appl1

ALIGNMENTS

RESULT 1
US-08-336-343A-2
Sequence 2, Application US/08336343A
Patent No. 5677144
GENERAL INFORMATION:
APPLICANT: Ullrich, Axel
APPLICANT: Alves, Frauke
TITLE OF INVENTION: CCK-2, A NO. 5677144e1 Receptor Tyrosine Kinase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennile & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/336,343A
FILING DATE: 08-NOV-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-065
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNITE
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 919 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-336-343A-2
Query Match 100.0%; Score 4928; DB 1; Length 919;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 919; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MGEPAISLLILLVLSGDAKMGHDPKCRALGMDRTIPDSISASSSSDSTARR 60
DB 1 MGEPAISLLILLVLSGDAKMGHDPKCRALGMDRTIPDSISASSSSDSTARR 60
QY 61 HSHLESSDDGAMCPAGSVFPKKEEYLDVLRHLVALVGVGRRHAGGLGKFRSRYHL 120

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Db      61 HSRLESSDGDGACPCAGSVFPKKEEYLQVDLQRLHLVALVYQGRHAGGLGKEFSRSYRL 120
OY      122 RYSRDGRMRMGKDRMGQEVISGNEDEBEGVVKDGGPPMVARLYRYPADRMASVCLAY 180
Db      121 RYSRDGRMRMGKDRMGQEVISGNEDEBEGVVKDGGPPMVARLYRYPADRMASVCLAY 180
OY      181 ELYGCLMRDGLLSTYAPVQGTMYLSEAVYLANDSTYDGHVGLQYGGGLQGLADGVYGLDD 240
Db      181 ELYGCLMRDGLLSTYAPVQGTMYLSEAVYLANDSTYDGHVGLQYGGGLQGLADGVYGLDD 240
OY      241 FRKSOELRWPGDYDYGMSNSHSSSGYVMEFEEDRLRAFQAMQVHCNMMHTLGARLPGG 300
Db      241 FRKSOELRWPGDYDYGMSNSHSSSGYVMEFEEDRLRAFQAMQVHCNMMHTLGARLPGG 300
OY      301 VECRRFRGPAMAMEGEPKRNHNGNLGDRARAVSPJGGRVARELOCREFLAGPWLFS 360
Db      301 VECRRFRGPAMAMEGEPKRNHNGNLGDRARAVSPJGGRVARELOCREFLAGPWLFS 360
OY      361 EISFISDVYNNSSPALGTFPPAPMWPGPPTNFSLELEBRGOQPVAKAGSPTALI 420
Db      361 EISFISDVYNNSSPALGTFPPAPMWPGPPTNFSLELEBRGOQPVAKAGSPTALI 420
OY      421 GCLVALIILLLIILALMLRMLRRLLSKAERVLEELTVHLSPGDTILINNRGPGE 480
Db      421 GCLVALIILLLIILALMLRMLRRLLSKAERVLEELTVHLSPGDTILINNRGPGE 480
OY      481 PPYOEPBRGNPNPSAPCPVNGSALLSNPAYRLLATYARPPGPGPTPAMAKPTNT 540
Db      481 PPYOEPBRGNPNPSAPCPVNGSALLSNPAYRLLATYARPPGPGPTPAMAKPTNT 540
OY      541 QAYSQGYMEPEKPGAPLPPPPONSYPHYAADIYTLQGVGTGNTAYAPALPPGANGDP 600
Db      541 QAYSQGYMEPEKPGAPLPPPPONSYPHYAADIYTLQGVGTGNTAYAPALPPGANGDP 600
OY      601 PRVDPFRSLRERKEKLGEGEVEHLCEYDSPODLYSLDFPLNVRKGHPLVAVKILRPD 660
Db      601 PRVDPFRSLRERKEKLGEGEVEHLCEYDSPODLYSLDFPLNVRKGHPLVAVKILRPD 660
OY      661 ATKNSFSLFRNDFLKEVKINSRLKDPNIIIRLIGVCVODDPLCMTIDVMENGDNOPLS 720
Db      661 ATKNSFSLFRNDFLKEVKINSRLKDPNIIIRLIGVCVODDPLCMTIDVMENGDNOPLS 720
OY      721 AHQLEDKAAGAAGPQGAAGPTISYPMILHVAQAQIASGMRYLATLNFVHRDLATRNCLY 780
Db      721 AHQLEDKAAGAAGPQGAAGPTISYPMILHVAQAQIASGMRYLATLNFVHRDLATRNCLY 780
OY      781 GENFTIKIADFGMSRNLVAGDYRYVQGRAVLPFRMAAMECIMGKFTTASDVMAFGVTLM 840
Db      781 GENFTIKIADFGMSRNLVAGDYRYVQGRAVLPFRMAAMECIMGKFTTASDVMAFGVTLM 840
OY      841 EYLMCRAOPFGOLDEOVYENAGFEFFDQGRQVYLSRPPACPOGLYTELMKRCWRESBQ 900
Db      841 EYLMCRAOPFGOLDEOVYENAGFEFFDQGRQVYLSRPPACPOGLYTELMKRCWRESBQ 900
OY      901 RPFESQLHRFLAEDALNTV 919
Db      901 RPFESQLHRFLAEDALNTV 919

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RESULT 2
US-08-445-640-4
Sequence 4, Application US/08445640
Patent No. 5709858

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:

```

ADDRESSER: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: palin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/445,640  
FILING DATE: 22-MAY-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/170558  
FILING DATE: 20-DEC-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/157563  
FILING DATE: 23-NOV-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 854C2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 913 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-445-640-4  
Query Match 99.1%; Score 4882; DB 1; Length 913;  
Best Local Similarity 99.2%; Pred. No. 0;  
Matches 912; Conservative 0; Mismatches 1; Indels 6; Gaps 1;  
OY      1 MGPALSSLLLLLLVAVSGDADKMGHPDPAKCRYALGMDORTIPDSDISASSMSDSTAAR 60  
Db      1 MGPALSSLLLLLLVAVSGDADKMGHPDPAKCRYALGMDORTIPDSDISASSMSDSTAAR 60  
OY      61 HSRLESSDGDGACPCAGSVFPKKEEYLQVDLQRLHLVALVYQGRHAGGLGKEFSRSYRL 120  
Db      61 HSRLESSDGDGACPCAGSVFPKKEEYLQVDLQRLHLVALVYQGRHAGGLGKEFSRSYRL 120  
OY      121 RYSRDGRMRMGKDRMGQEVISGNEDEBEGVVKDGGPPMVARLYRYPADRMASVCLAY 180  
Db      121 RYSRDGRMRMGKDRMGQEVISGNEDEBEGVVKDGGPPMVARLYRYPADRMASVCLAY 180  
OY      181 ELYGCLMRDGLLSTYAPVQGTMYLSEAVYLANDSTYDGHVGLQYGGGLQGLADGVYGLDD 240  
Db      181 ELYGCLMRDGLLSTYAPVQGTMYLSEAVYLANDSTYDGHVGLQYGGGLQGLADGVYGLDD 240  
OY      241 FRKSOELRWPGDYDYGMSNSHSSSGYVMEFEEDRLRAFQAMQVHCNMMHTLGARLPGG 300  
Db      241 FRKSOELRWPGDYDYGMSNSHSSSGYVMEFEEDRLRAFQAMQVHCNMMHTLGARLPGG 300  
OY      301 VECRRFRGPAMAMEGEPKRNHNGNLGDRARAVSPJGGRVARELOCREFLAGPWLFS 360  
Db      301 VECRRFRGPAMAMEGEPKRNHNGNLGDRARAVSPJGGRVARELOCREFLAGPWLFS 360  
OY      361 EISFISDVYNNSSPALGTFPPAPMWPGPPTNFSLELEBRGOQPVAKAGSPTALI 420  
Db      361 EISFISDVYNNSSPALGTFPPAPMWPGPPTNFSLELEBRGOQPVAKAGSPTALI 420  
OY      421 GCLVALIILLLIILALMLRMLRRLLSKAERVLEELTVHLSPGDTILINNRGPGE 480  
Db      421 GCLVALIILLLIILALMLRMLRRLLSKAERVLEELTVHLSPGDTILINNRGPGE 480  
OY      481 PPYOEPBRGNPNPSAPCPVNGSALLSNPAYRLLATYARPPGPGPTPAMAKPTNT 540

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Db      481  PPTQPPRRGNPNPSPACVNGSALLSNPAYRLLLTATYAPRPGPGPTPAMAKPTNT 540
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Db      541  QAYSQDYMEPEKPGAPLLPPPNQNSVPHYAEADIVTLOGVTGNTYAVPALPGAVGDP 600
Qy      601  PRVDFPNSRLRFKEKLGEGGEGEYHLCVDSPODLVSLDFPLNVRKGHPLLVAVKILRPD 660
Db      601  PRVDFPNSRLRFKEKLGEGGEGEYHLCVDSPODLVSLDFPLNVRKGHPLLVAVKILRPD 660
Qy      661  ATKNASFSLFRNDFLEKVKIMSRKDPNRIIRLGCVCQDDPLCMITTYMENGDLNQLS 720
Db      661  ATKNA-----RNDFLEKVKIMSRKDPNRIIRLGCVCQDDPLCMITTYMENGDLNQLS 714
Qy      721  AHOLEDKAEGAPDGGAAAGPTISYPMILHVAQAISGMRYLATLNFVHDLATRNCLV 780
Db      715  AHOLEDKAEGAPDGGAAAGPTISYPMILHVAQAISGMRYLATLNFVHDLATRNCLV 774
Qy      781  GENTTIKIDFGMSRNIYAGDYRVQGRAVLPIRMAMECILMGKFTTASDVMAFGVTLM 840
Db      775  GENTTIKIDFGMSRNIYAGDYRVQGRAVLPIRMAMECILMGKFTTASDVMAFGVTLM 834
Qy      841  EVMLCRAOPGQGLTDQVIEENAGEFFRDGROYTLSPACPOGLYELMLRCMSRSEQ 900
Db      835  EVMLCRAOPGQGLTDQVIEENAGEFFRDGROYTLSPACPOGLYELMLRCMSRSEQ 894
Qy      901  RPPFSQLRFLAEDALNTV 919
Db      895  RPPFSQLRFLAEDALNTV 913

```

RESULT 3
US-08-170-558-4
Sequence 4, Application US/08170558
Patent No. 6001621

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
City: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 Inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/170,558
FILING DATE: 20-DEC-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.

REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

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; LENGTH: 913 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-170-558-4

Query Match          99.1%; Score 4882; DB 3; Length 913;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 912; Conservative 0; Mismatches 1; Indels 6; Gaps 1;

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61  HSRLESPDGGAMCAGSVFPKEEYTLQVDLQRLHVALYGTQGNHAGGLCKEFSRSTR 120
121  RYSRDRRMWGWKDRWQEVISGNEDPGVYLKDLGPPMVAHLYVFYPRADRVMSVCLRY 180
121  RYSRDRRMWGWKDRWQEVISGNEDPGVYLKDLGPPMVAHLYVFYPRADRVMSVCLRY 180
181  ELYGCLMFDGLISTYAPVGTWYLSAVALYNDSTYDGTGGLQYGGIGQLADGVGLDD 240
181  ELYGCLMFDGLISTYAPVGTWYLSAVALYNDSTYDGTGGLQYGGIGQLADGVGLDD 240
241  FRKSELVWPGYDVGWNSHSFSSGYEMEPEDRLAFAQAMQVHCNNMTTLARLPGG 300
241  FRKSELVWPGYDVGWNSHSFSSGYEMEPEDRLAFAQAMQVHCNNMTTLARLPGG 300
301  VECRRRGPAMAMEGEPNRHNLGNIADPPARAASVPLGGVAVRFLQCRFLFAGPMLFS 360
301  VECRRRGPAMAMEGEPNRHNLGNIADPPARAASVPLGGVAVRFLQCRFLFAGPMLFS 360
361  EISFISDVYNNSSPALGGTTPPAWMPBPPTNSSLLELRPGQAPAKESPTAILI 420
361  EISFISDVYNNSSPALGGTTPPAWMPBPPTNSSLLELRPGQAPAKESPTAILI 420
421  GCLVAIILLILLIILALMLMRRLSKARRVLEELTYHLSVPGDTILINRPGPRE 480
421  GCLVAIILLILLIILALMLMRRLSKARRVLEELTYHLSVPGDTILINRPGPRE 480
481  PPTQPPRRGNPNPSPACVNGSALLSNPAYRLLLTATYAPRPGPGPTPAMAKPTNT 540
481  PPTQPPRRGNPNPSPACVNGSALLSNPAYRLLLTATYAPRPGPGPTPAMAKPTNT 540
541  QAYSQDYMEPEKPGAPLLPPPNQNSVPHYAEADIVTLOGVTGNTYAVPALPGAVGDP 600
541  QAYSQDYMEPEKPGAPLLPPPNQNSVPHYAEADIVTLOGVTGNTYAVPALPGAVGDP 600
601  PRVDFPNSRLRFKEKLGEGGEGEYHLCVDSPODLVSLDFPLNVRKGHPLLVAVKILRPD 660
601  PRVDFPNSRLRFKEKLGEGGEGEYHLCVDSPODLVSLDFPLNVRKGHPLLVAVKILRPD 660
661  ATKNASFSLFRNDFLEKVKIMSRKDPNRIIRLGCVCQDDPLCMITTYMENGDLNQLS 720
661  ATKNA-----RNDFLEKVKIMSRKDPNRIIRLGCVCQDDPLCMITTYMENGDLNQLS 714
721  AHOLEDKAEGAPDGGAAAGPTISYPMILHVAQAISGMRYLATLNFVHDLATRNCLV 780
721  AHOLEDKAEGAPDGGAAAGPTISYPMILHVAQAISGMRYLATLNFVHDLATRNCLV 774
781  GENTTIKIDFGMSRNIYAGDYRVQGRAVLPIRMAMECILMGKFTTASDVMAFGVTLM 840
781  GENTTIKIDFGMSRNIYAGDYRVQGRAVLPIRMAMECILMGKFTTASDVMAFGVTLM 834
841  EVMLCRAOPGQGLTDQVIEENAGEFFRDGROYTLSPACPOGLYELMLRCMSRSEQ 900
841  EVMLCRAOPGQGLTDQVIEENAGEFFRDGROYTLSPACPOGLYELMLRCMSRSEQ 894
901  RPPFSQLRFLAEDALNTV 919
901  RPPFSQLRFLAEDALNTV 913

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RESULT 4
US-08-447-314-4
Sequence 4, Application US/08447314
Patent No. 6087144
GENERAL INFORMATION:
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/447,314
FILING DATE: 22-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasek, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854CLD2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 913 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-447-314-4

Query Match 99.18; Score 4882; DB 3; Length 913;
Best Local Similarity 99.28; Pctd. No. 0;
Matches 912; Conservative 0; Mismatches 1; Indels 6; Gaps 1;

QY 1 MGEALSSLLILLVAGSDADMGHDPACRYALGMDORTIPDSISASSSSDSTAAR 60
DB 1 MGEALSSLLILLVAGSDADMGHDPACRYALGMDORTIPDSISASSSSDSTAAR 60
QY 61 HSLRSSDGDGACPCASGVFPKKEEYLQYDLRLHLVALVGTGRRAGLGKFEFSRYL 120
DB 61 HSLRSSDGDGACPCASGVFPKKEEYLQYDLRLHLVALVGTGRRAGLGKFEFSRYL 120
QY 121 RYRDRRRMGWRGDRGQEVISGNEPEGVYTKDLGPPRYALRYFRYPADRYMSVCLRY 180
DB 121 RYRDRRRMGWRGDRGQEVISGNEPEGVYTKDLGPPRYALRYFRYPADRYMSVCLRY 180
QY 181 ELTGCLMRDGLSTYAPVGTMYLSEAYVLINDSTYGHVVGIGVGLGQLADGVYGLD 240
DB 181 ELTGCLMRDGLSTYAPVGTMYLSEAYVLINDSTYGHVVGIGVGLGQLADGVYGLD 240
QY 241 FRKSGELRWPGDYGVGMSNHSFSSGYVEEFEFRLRAFOAMQVANNMHTLGARLPGG 300
DB 241 FRKSGELRWPGDYGVGMSNHSFSSGYVEEFEFRLRAFOAMQVANNMHTLGARLPGG 300
QY 301 VECRRFRGPAWAMEGEPHNRNLGNDPRARAIVSVPLGGRVAREFLQCRFLRAGPWLFPS 360

DB 301 VECRRFRGPAWAMEGEPHNRNLGNDPRARAIVSVPLGGRVAREFLQCRFLRAGPWLFPS 360
QY 361 EISFISDVNNSSSALGTFPPAPWPPGPPTTFSSLELPPROQAPAKEGSPTAILI 420
DB 361 EISFISDVNNSSSALGTFPPAPWPPGPPTTFSSLELPPROQAPAKEGSPTAILI 420
QY 421 GCLVAIILLILLIITAILMRLHMRRLSKARRVLEELVHLVSPGDTILINRPGPRE 480
DB 421 GCLVAIILLILLIITAILMRLHMRRLSKARRVLEELVHLVSPGDTILINRPGPRE 480
QY 481 PPIYQEPKRNPNPHSAPCVNGSALLSNPARYLLATYARPPRGPPPTAMAKPTNT 540
DB 481 PPIYQEPKRNPNPHSAPCVNGSALLSNPARYLLATYARPPRGPPPTAMAKPTNT 540
QY 541 QAYSGDYMEPKRPAPLLPPPPSVHYAADIVTLOGVTGNTYAVPALPGAVGDP 600
DB 541 QAYSGDYMEPKRPAPLLPPPPSVHYAADIVTLOGVTGNTYAVPALPGAVGDP 600
QY 601 PRVDFPRSRLRFKKEKLGEGGEVHLCEVDSPODLYSLDPPLNTRKGPPLIYAVKILRPD 660
DB 601 PRVDFPRSRLRFKKEKLGEGGEVHLCEVDSPODLYSLDPPLNTRKGPPLIYAVKILRPD 660
QY 661 ATKNASPSLPSRNDPLKEVKIMSKDPNITIRLIGVCVODDPLCMITDYMENGLNOFLS 720
DB 661 ATKNA-----RNDPLKEVKIMSKDPNITIRLIGVCVODDPLCMITDYMENGLNOFLS 720
QY 721 AHOLEDAAGAPADGGAAGPTISYMLHLVAQAISGARYLATLNFVRHDLATRNCLV 780
DB 721 AHOLEDAAGAPADGGAAGPTISYMLHLVAQAISGARYLATLNFVRHDLATRNCLV 780
QY 781 GENFTIKIADFGMSRNTIAGDYVVOGRAVLPITRMAMECTLMKFTTASVYAFGYTLW 840
DB 781 GENFTIKIADFGMSRNTIAGDYVVOGRAVLPITRMAMECTLMKFTTASVYAFGYTLW 840
QY 841 EVIMLCRAOPFGOLTDEQVIENAGEFRDQGRQVYLSRPAPCGLYELMLRCMSRSEQ 900
DB 841 EVIMLCRAOPFGOLTDEQVIENAGEFRDQGRQVYLSRPAPCGLYELMLRCMSRSEQ 900
QY 901 RPPESQHLRLADALNTV 919
DB 901 RPPESQHLRLADALNTV 919

RESULT 5
US-08-445-461-4
Sequence 4, Application US/08445461
Patent No. 6096527
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/445,461
FILING DATE: 22-MAY-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/170558
 FILING DATE: 20-DEC-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/157563
 FILING DATE: 23-NOV-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Haasak, Janet E.
 REGISTRATION NUMBER: 28,616
 REFERENCE/DOCKET NUMBER: 854C3
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-1896
 TELEFAX: 415/952-9881
 TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 913 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-445-461-4

Query Match 99.1%; Score 4882; DB 3; Length 913;
 Best Local Similarity 99.2%; Pred. No. 0;
 Matches 912; Conservative 0; Mismatches 1; Indels 6; Gaps 1;

QY 1 MGPEALSSLLLLVAVSGDADKMGHPDPAKCRALGKQDRTIPDSISASSWSGSTAAR 60
 DB 1 MGPEALSSLLLLVAVSGDADKMGHPDPAKCRALGKQDRTIPDSISASSWSGSTAAR 60
 QY HSHLESSDDGACMPAGSVFPEKEEYQVNDLRHLVAVGTGRAGGIGKEFSRYRL 120
 DB HSHLESSDDGACMPAGSVFPEKEEYQVNDLRHLVAVGTGRAGGIGKEFSRYRL 120
 QY 61 HSHLESSDDGACMPAGSVFPEKEEYQVNDLRHLVAVGTGRAGGIGKEFSRYRL 120
 DB 61 HSHLESSDDGACMPAGSVFPEKEEYQVNDLRHLVAVGTGRAGGIGKEFSRYRL 120
 QY 121 RYSDRGRMGMWDRMGQEVYISGNEDEGVYLDLGPMTARLYRFPRADRVASVCLRV 180
 DB 121 RYSDRGRMGMWDRMGQEVYISGNEDEGVYLDLGPMTARLYRFPRADRVASVCLRV 180
 QY 181 ELYGCLMRDGLSTYAPVQGTMYLSEAVALYNDSTYDGHVYGLQYGLQADGVVGLD 240
 DB 181 ELYGCLMRDGLSTYAPVQGTMYLSEAVALYNDSTYDGHVYGLQYGLQADGVVGLD 240
 QY 241 FRKSOELRVMPGVYDYGWMSHSFSGVVEKEEFEDRLRAQAAQVCHNNHITGARIPLGG 300
 DB 241 FRKSOELRVMPGVYDYGWMSHSFSGVVEKEEFEDRLRAQAAQVCHNNHITGARIPLGG 300
 QY 301 VECFRFRGPAMAMEGEPMRHNLGNGDPRARAVSYPLGGRVAFLOCRFLFAGPMLFS 360
 DB 301 VECFRFRGPAMAMEGEPMRHNLGNGDPRARAVSYPLGGRVAFLOCRFLFAGPMLFS 360
 QY 361 ELSFISDVYNNSSPALGTFPPAPWMPGPPPTNFSSLELEPRGQGVAKAEGSPITALI 420
 DB 361 ELSFISDVYNNSSPALGTFPPAPWMPGPPPTNFSSLELEPRGQGVAKAEGSPITALI 420
 QY 421 GCLVAIIILLIILMLRMLRMLRMLRMLRMLRMLRMLRMLRMLRMLRMLRMLRMLR 480
 DB 421 GCLVAIIILLIILMLRMLRMLRMLRMLRMLRMLRMLRMLRMLRMLRMLRMLRMLR 480
 QY 481 PPPYDEPRRGNPPHAPCPVNGSALLLNPAVRYLLATYARPPRGPPTPMARKPTNT 540
 DB 481 PPPYDEPRRGNPPHAPCPVNGSALLLNPAVRYLLATYARPPRGPPTPMARKPTNT 540
 QY 541 QAYSDDYMEPEKPGAPLPPPPONSVPHYAADIYTLQGVGTGNTAVAPLPGAAGDGP 600
 DB 541 QAYSDDYMEPEKPGAPLPPPPONSVPHYAADIYTLQGVGTGNTAVAPLPGAAGDGP 600
 QY 601 PVVDEPRSRRLRKEKELGEGEVEHLCFVDSPODLYLDPVLNVRKGHPLLVAVKTLRPD 660
 DB 601 PVVDEPRSRRLRKEKELGEGEVEHLCFVDSPODLYLDPVLNVRKGHPLLVAVKTLRPD 660
 QY 661 ATKNAFSLLFRNDELKEVKIMSRLKDPVIRILGVCVODDPLCMITDVMENGDLNQFIS 720
 DB 661 ATKNAFSLLFRNDELKEVKIMSRLKDPVIRILGVCVODDPLCMITDVMENGDLNQFIS 720
 QY 721 AHQLEDKAAEGAPGGGAAAGPTISYPMILHVAQAQIASGRYIATLNFVHRLATRNCLV 780
 DB 721 AHQLEDKAAEGAPGGGAAAGPTISYPMILHVAQAQIASGRYIATLNFVHRLATRNCLV 780

DB 715 AHQLEDKAAEGAPGGGAAAGPTISYPMILHVAQAQIASGRYIATLNFVHRLATRNCLV 774
 QY 721 GENFIKIAADGMSNLTAGDIYRYOGAVLPIRMAMECITLMKFTTASDVAFVYLM 840
 DB 775 GENFIKIAADGMSNLTAGDIYRYOGAVLPIRMAMECITLMKFTTASDVAFVYLM 834
 QY 841 EVLMICRAOPFGOLDEQVYENAGFEFFDQROVYLYSPRACPOGLYELMRCSRESEQ 900
 DB 835 EVLMICRAOPFGOLDEQVYENAGFEFFDQROVYLYSPRACPOGLYELMRCSRESEQ 894
 QY 901 RPPFSQHLRFLEADALNTV 919
 DB 895 RPPFSQHLRFLEADALNTV 913

RESULT 6 US-08-336-343A-4

; Sequence 4, Application US/08336343A
 ; Patent No. 5677144

; GENERAL INFORMATION:

; APPLICANT: Ulrich, Axel

; TITLE OF INVENTION: CCK-2, A No. 5677144e1 Receptor Tyrosine Kinase

; NUMBER OF SEQUENCES: 43

; CORRESPONDENCE ADDRESS:

ADDRESSEE: Pennie & Edmonds
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10036-2711

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/336,343A

FILING DATE: 08-NOV-1994

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Coruzel, Laura A.

REGISTRATION NUMBER: 30,742

REFERENCE/DOCKET NUMBER: 7683-065

TELEPHONE: (212) 790-9090

TELEFAX: (212) 869-9741/8864

TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 855 amino acids

TYPE: amino acid

TOPOLOGY: unknown

MOLECULE TYPE: protein

US-08-336-343A-4

Query Match 48.8%; Score 2404; DB 1; Length 855;

Best Local Similarity 51.8%; Pred. No. 5, 8e-164;

Matches 482; Conservative 118; Mismatches 227; Indels 104; Gaps 16;

QY 3 PELSSLLLLVAVSGDADKMGHPDPAKCRALGKQDRTIPDSISASSWSGSTAAR 62

DB 5 PRLVLFLPLPLIS--SAKQVNPALICRYPLGMSGGQIPDEDIYASQWSSESTAKG 61

QY 63 RLESSDDGACMPAGSVFPEKEEYQVNDLRHLVAVGTGRAGGIGKEFSRYRL 121

DB 62 RLDSEGDGACMPAGSVFPEKEEYQVNDLRHLVAVGTGRAGGIGKEFSRYRL 121

QY 122 YSRDGRMGMWDRMGQEVYISGNEDEGVYLDLGPMTARLYRFPRADRVASVCLRV 181

DB 122 YSRDGRMGMWDRMGQEVYISGNEDEGVYLDLGPMTARLYRFPRADRVASVCLRV 181

QY 648 HPLVAVKILRPDPAKTNASFLSRNDFLEKVKIMSLKDPNITRLLGCVODPLCMIT 707
DB 601 OPLVAVKILRPDPAKTNASFLSRNDFLEKVKIMSLKDPNITRLLGCVODPLCMIT 654
QY 708 DYMENDLNQFLSAHOLEKKAEGARGDQAAOGPTISYPMILHVAQAQISGRYIATLN 767
DB 655 EYMENDLNQFLSRHPEPLSSCSDA-----TVSYANKFMATQIASGMKYLSSLN 704
QY 768 FVHRDLATRNCLVGENFTIKIADFGMSRMLYAGDYRYVQRAVLPFRMAWECILMGFT 827
DB 705 FVHRDLATRNCLVGENFTIKIADFGMSRMLYAGDYRYVQRAVLPFRMAWECILMGFT 764
QY 828 TASDVAWAGVTLMETVLMCRAPFGQLTDEQVLENAGEFFRDGROYLSRPACPOGLY 887
DB 765 TASDVAWAGVTLMETVLMCRAPFGQLTDEQVLENAGEFFRDGROYLSRPACPOGLY 824
QY 888 ELMRCWSESRQRPFSQIHRFLAE 913
DB 825 KMLSCWRRETKHRPSFOEIHILLLO 850

RESULT 8

US-08-237-401A-20
Sequence 20, Application US/08237401A
Patent No. 5837448
GENERAL INFORMATION:
APPLICANT: Lemke Ph.D. et al., Greg E.
TITLE OF INVENTION: PROTEIN-TYROSINE KINASE GENES
NUMBER OF SEQUENCES: 54
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: LA Jolla
STATE: CA
COUNTRY: US
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/237,401A
FILING DATE: 02-MAY-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/884,486
FILING DATE: 15-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: Haile Ph.D., Lisa A.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07251/007001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 678-5070
TELEFAX: (619) 678-5099
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 854 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-237-401A-20

Query Match 48.7% Score 2402; DB 2: Length 854;

Best Local Similarity 51.9% Pred. No. 8.1e-16;

Matches 481; Conservative 119; Mismatches 220; Indels 106; Gaps 16;

QY 9 LLLLLLVSADPAKNGHFDPAKRYALGMDRTIPDSDISASSSSWSDSTAARHSLSSD 68
DB 10 VLLLLLILGSA--KAQVNPACIRYPLGMSGHLPDEITASSQWSESTAAKYGLDSEE 67
QY 69 GDGAWCAGSYFPRF-EETVLDVQIQRHLVALVGTQGRHAGGLCKEFSRSYRLARYSDRG 127

DB 68 GDGAWCDEIPVQPDLEKFLQIDLKTLHFTLVGTQGRHAGGHIEFAPMYKINSRGS 127
QY 128 RWMGKMRKMOQEVYISGHEDEGVYLNKLGPPMAKLYRFPADRWKSVCLRYELGCLW 187
DB 128 RMTSMRRHGRKQVLDGNSNPDYFLKDLPPYARFRLIPVDHSMKWCARVELGCVW 187
QY 188 RDGLISTYAPVQOTMY--SEAVYLNDSYDGHVTGGLQGGGLADGVGGLDDRRKSQ 245
DB 188 LDGIVSTNAPAGQOFVLPQGSITLYNDSTYD--AVGISMTEGGLQGLDVGSLDDPTQH 246
QY 246 ELRWPGDYDVGNSSNHSFSSGYEMEEFDRLAFOAQVCHNNMHTIARLPGVECRF 305
DB 247 EYHWPGDYDVGNRNESATNGFTEIMEEPRINFTMKHCNNMFAKGIKIEVQCF 306
QY 306 RRPAPMAWEEPRHNLGMLGPARRAVVPYAGRYARFLQCRFLPAGFWLLFSISFT 365
DB 307 -RESEAWETAVYFPLVDVNP SARFVYPLHHRNAAIKQYHFRADTWAFSEITRQ 365
QY 366 SD--VYVNSSPALGTFPPAPWMPPGPPPTNFSLELEPRGQDPVAKAEGSPALLIGCL 423
DB 366 SDAAMTNS-----GALPTSP-----MAPTYDPMKVDNSTRIILIGCL 405
QY 424 VALILLLLIATLMLNRLHWRRLSKARRYLEETVHLVSGDTILINN-----RGR 479
DB 406 VALIIFILIAITVILMRQFQKMLEKASRMLDDEKTVSLSPSSMTRNNRASSPSEQ 465
QY 480 EP-----PPQEPFRGNPPHAPCVNGSALLSNAYRLLATYARPPRG 528
DB 466 ESNSTYDRIFPLPDQEP-----SRLIRKLPF----- 494
QY 529 PPTPAMAKPNTNAGSYGDIWEPEKPGAPILPPPPQSVHYKADIVTIGTGTAY 588
DB 495 -----APGEESGCGSVYKPPAOPNGP-----BGVHYKADIVNIGVGTGYCV 540
QY 589 PALPGAVDGPFRV--DFPRSLRFEKELGEGFGEVHCEVDSPODLVSLDPLNVRG 647
DB 541 PAVTMDLISGRQVAVEPRKLLAFKELGEGFGEVHCEVDSPODLVSLDPLNVRG 600
QY 648 HPLVAVKILRPDPAKTNASFLSRNDFLEKVKIMSLKDPNITRLLGCVODPLCMIT 707
DB 601 OPLVAVKILRPDPAKTNASFLSRNDFLEKVKIMSLKDPNITRLLGCVODPLCMIT 654
QY 708 DYMENDLNQFLSAHOLEKKAEGARGDQAAOGPTISYPMILHVAQAQISGRYIATLN 767
DB 655 EYMENDLNQFLSRHPEPLSSCSDA-----TVSYANKFMATQIASGMKYLSSLN 704
QY 768 FVHRDLATRNCLVGENFTIKIADFGMSRMLYAGDYRYVQRAVLPFRMAWECILMGFT 827
DB 705 FVHRDLATRNCLVGENFTIKIADFGMSRMLYAGDYRYVQRAVLPFRMAWECILMGFT 764
QY 828 TASDVAWAGVTLMETVLMCRAPFGQLTDEQVLENAGEFFRDGROYLSRPACPOGLY 887
DB 765 TASDVAWAGVTLMETVLMCRAPFGQLTDEQVLENAGEFFRDGROYLSRPACPOGLY 824
QY 888 ELMRCWSESRQRPFSQIHRFLAE 913
DB 825 KMLSCWRRETKHRPSFOEIHILLLO 850

RESULT 9

US-08-445-640-8
Sequence 8, Application US/08445640
Patent No. 5709858
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Barton, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.


```

STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/445,640
FILING DATE: 22-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170568
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C2
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-445-640-8

Query Match          44.0%; Score 2167; DB: 1; Length 399;
Best Local Similarity 99.7%; Pred. No. 2e-147;
Matches 398; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 19 DADMGHFDPAKCRVALGMDRTIPDSDISASSMSDSTAARHSRLSSDGGAMCPAGS 78
DB 1 DADMGHFDPAKCRVALGMDRTIPDSDISASSMSDSTAARHSRLSSDGGAMCPAGS 60
QY 79 VPKKEEYLVQDLQRLHLVALVGTGGRHAGLGKESRSYRLRYSRSGRRMGWMDRMQ 138
DB 61 VPKKEEYLVQDLQRLHLVALVGTGGRHAGLGKESRSYRLRYSRSGRRMGWMDRMQ 120
QY 139 EYISGNEDEGVYLDLGPMPVRLVRYPRADRYMSVCLRYELGCLMRDGLLSTYAV 198
DB 121 EYISGNEDEGVYLDLGPMPVRLVRYPRADRYMSVCLRYELGCLMRDGLLSTYAV 180
QY 199 GQNTLSEAVYINDSTYDHTVGGLOYGGLQGLADGVVGLDDFRKSOELRVMPGYDYGM 258
DB 181 GQNTLSEAVYINDSTYDHTVGGLOYGGLQGLADGVVGLDDFRKSOELRVMPGYDYGM 240
QY 259 SNHSFSSGVYENEFEDRLRAFOAMQVHCNNHTIGARLPGVECFRRRGPMAAMEGEPM 318
DB 241 SNHSFSSGVYENEFEDRLRAFOAMQVHCNNHTIGARLPGVECFRRRGPMAAMEGEPM 300
QY 319 RHNLGNTGDPARARAVSVPLGGVARFLQCRFLFAGPMLTFSEISFISDVYNNSSPALGG 378
DB 301 RHNLGNTGDPARARAVSVPLGGVARFLQCRFLFAGPMLTFSEISFISDVYNNSSPALGG 360
QY 379 TFPPAPWMPGPPPTNFSSLELEPRGQOPVAKAESPTA 417
DB 361 TFPPAPWMPGPPPTNFSSLELEPRGQOPVAKAESPTA 399

```

```

APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Wall F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/170,558
FILING DATE: 20-DEC-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C1
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-170-558-8

Query Match          44.0%; Score 2167; DB: 3; Length 399;
Best Local Similarity 99.7%; Pred. No. 2e-147;
Matches 398; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 19 DADMGHFDPAKCRVALGMDRTIPDSDISASSMSDSTAARHSRLSSDGGAMCPAGS 78
DB 1 DADMGHFDPAKCRVALGMDRTIPDSDISASSMSDSTAARHSRLSSDGGAMCPAGS 60
QY 79 VPKKEEYLVQDLQRLHLVALVGTGGRHAGLGKESRSYRLRYSRSGRRMGWMDRMQ 138
DB 61 VPKKEEYLVQDLQRLHLVALVGTGGRHAGLGKESRSYRLRYSRSGRRMGWMDRMQ 120
QY 139 EYISGNEDEGVYLDLGPMPVRLVRYPRADRYMSVCLRYELGCLMRDGLLSTYAV 198
DB 121 EYISGNEDEGVYLDLGPMPVRLVRYPRADRYMSVCLRYELGCLMRDGLLSTYAV 180
QY 199 GQNTLSEAVYINDSTYDHTVGGLOYGGLQGLADGVVGLDDFRKSOELRVMPGYDYGM 258
DB 181 GQNTLSEAVYINDSTYDHTVGGLOYGGLQGLADGVVGLDDFRKSOELRVMPGYDYGM 240
QY 259 SNHSFSSGVYENEFEDRLRAFOAMQVHCNNHTIGARLPGVECFRRRGPMAAMEGEPM 318
DB 241 SNHSFSSGVYENEFEDRLRAFOAMQVHCNNHTIGARLPGVECFRRRGPMAAMEGEPM 300
QY 319 RHNLGNTGDPARARAVSVPLGGVARFLQCRFLFAGPMLTFSEISFISDVYNNSSPALGG 378
DB 301 RHNLGNTGDPARARAVSVPLGGVARFLQCRFLFAGPMLTFSEISFISDVYNNSSPALGG 360
QY 379 TFPPAPWMPGPPPTNFSSLELEPRGQOPVAKAESPTA 417
DB 361 TFPPAPWMPGPPPTNFSSLELEPRGQOPVAKAESPTA 399

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RESULT 10
 US-08-170-558-8
 ; Sequence 8, Application US/08170558
 ; Patent No. 6001621
 ; GENERAL INFORMATION:

RESULT 11
US-08-447-314-8
Sequence 8, Application US/08447314
Patent No. 6087144
GENERAL INFORMATION:
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 KB floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/447,314
FILING DATE: 22-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C1D2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-447-314-8

Query Match 44.0%; Score 2167; DB 3; Length 399;
Best Local Similarity 99.7%; Pred. No. 2e-147;
Matches 398; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 19 DADMKGHFDPKCRYALGMODRTIPSDISASSWSMDSTAARSRLESSDGDGAMPAGS 78
DB 1 DADMKGHFDPKCRYALGMODRTIPSDISASSWSMDSTAARSRLESSDGDGAMPAGS 60
QY 79 VFPEKEEYLOVDLQRLHLVALVGTQGRHAGGLKEFSRSYRLKYSRDGRRMGWKDRWQ 138
DB 61 VFPEKEEYLOVDLQRLHLVALVGTQGRHAGGLKEFSRSYRLKYSRDGRRMGWKDRWQ 120
QY 139 EVISGNEDPEGVYLKDLGPPMVARLVRFYPRADRVMSVCLRVLYGCLMRDGLLSTYAPV 198
DB 121 EVISGNEDPEGVYLKDLGPPMVARLVRFYPRADRVMSVCLRVLYGCLMRDGLLSTYAPV 180
QY 199 GQMTYSEAVYLLNDSTYDGHVGGLOYGIGQLADGVVGLDPRKRSQELRWMPGYDYVGW 258
DB 181 GQMTYSEAVYLLNDSTYDGHVGGLOYGIGQLADGVVGLDPRKRSQELRWMPGYDYVGW 240
QY 259 SNHSFSSGYVEEFEDRLRAPQAMOVHCNNMHTLGARLPBGVECRPRRPPAAMWGEPEM 318
DB 241 SNHSFSSGYVEEFEDRLRAPQAMOVHCNNMHTLGARLPBGVECRPRRPPAAMWGEPEM 300
QY 319 RHNLSGNLGDPPARAVSVPLGGRVAFLLQCRFLFAGPWLLFSEISFISDVVNNSSPALGG 378

RESULT 12
US-08-445-461-8
Sequence 8, Application US/08445461
Patent No. 6096527
GENERAL INFORMATION:
APPLICANT: Godowsky, Paul J.
APPLICANT: Mark, Melanle R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 KB floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/445,461
FILING DATE: 22-MAY-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-445-461-8

Query Match 44.0%; Score 2167; DB 3; Length 399;
Best Local Similarity 99.7%; Pred. No. 2e-147;
Matches 398; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 19 DADMKGHFDPKCRYALGMODRTIPSDISASSWSMDSTAARSRLESSDGDGAMPAGS 78
DB 1 DADMKGHFDPKCRYALGMODRTIPSDISASSWSMDSTAARSRLESSDGDGAMPAGS 60
QY 79 VFPEKEEYLOVDLQRLHLVALVGTQGRHAGGLKEFSRSYRLKYSRDGRRMGWKDRWQ 138
DB 61 VFPEKEEYLOVDLQRLHLVALVGTQGRHAGGLKEFSRSYRLKYSRDGRRMGWKDRWQ 120
QY 139 EVISGNEDPEGVYLKDLGPPMVARLVRFYPRADRVMSVCLRVLYGCLMRDGLLSTYAPV 198
DB 121 EVISGNEDPEGVYLKDLGPPMVARLVRFYPRADRVMSVCLRVLYGCLMRDGLLSTYAPV 180

QY 199 GOMTSLSEAVLYLNDSTYDGHVGLLOYGGLGOLADGVGLDDPRKSOELRWPGYDYGM 258
DB 181 GOMTSLSEAVLYLNDSTYDGHVGLLOYGGLGOLADGVGLDDPRKSOELRWPGYDYGM 240
QY 259 SNHSFSSGYVMEFEEDRLRAFOAMOVHNNHHTLGAARPGVECFRRGPRAMWGEEM 318
DB 241 SNHSFSSGYVMEFEEDRLRAFOAMOVHNNHHTLGAARPGVECFRRGPRAMWGEEM 300
QY 319 RHNHGNLGDPRARAVSVPLGGRVAFLOCRFLFAGPMLFSEISISDVNNSSPALGG 378
DB 301 RHNHGNLGDPRARAVSVPLGGRVAFLOCRFLFAGPMLFSEISISDVNNSSPALGG 360
QY 379 TEPPAPMPGPPPTFESSLELEPRGQOVAKAESPTA 417
DB 361 TEPPAPMPGPPPTFESSLELEPRGQOVAKAESPTA 399

RESULT 13

US-08-701-191A-25
Sequence 25, Application US/08701191A
Patent No. 5942428

GENERAL INFORMATION:
APPLICANT: Moosa Mohammadi, Joseph Schlessinger,
APPLICANT: and Stevan R. Hubbard
TITLE OF INVENTION: CRYSTALS OF THE TYROSINE KINASE DOMAIN
NUMBER OF INVENTION: OF NON-INSULIN RECEPTOR TYROSINE KINASE
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 MB
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FASTSEQ for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/701,191A
FILING DATE: August 21, 1996
CLASSIFICATION: 330
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Harburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 227/088
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 317 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-701-191A-25

Query Match 33.8%; Score 1667; DB 2; Length 317;
Best Local Similarity 97.8%; Pred. No. 8,9e-112;
Matches 316; Conservative 1; Mismatches 0; Indels 6; Gaps 1;

QY 597 GGGPRVDFPFRSLRFLKFKELGEGGCVHLCEVDSPODVLSDPLNRYKRGHPLLVAVKI 656
DB 1 GGGPRVDFPFRSLRFLKFKELGEGGCVHLCEVDSPODVLSDPLNRYKRGHPLLVAVKI 60

QY 657 LRPDATKNAFSLFSNDELKVEYKINSRLKDPNIIIRLLGVCVQDDPLCMITDMENGDLN 716
DB 61 LRPDATKNA-----RNDLFLKVEYKINSRLKDPNIIIRLLGVCVQDDPLCMITDMENGDLN 114
QY 717 OFLSAHLQDRAKAEAGPAGGQAAGPTISYPMILHVAQAIAQSMRLATLNFVHRLAR 776
DB 115 OFLSAHLQDRAKAEAGPAGGQAAGPTISYPMILHVAQAIAQSMRLATLNFVHRLAR 174
QY 777 NCLVGENFTIKIADFGNSRNLVAGDYRVYGRVLPFRNMAWECIMGKFTTASDVWAFG 836
DB 175 NCLVGENFTIKIADFGNSRNLVAGDYRVYGRVLPFRNMAWECIMGKFTTASDVWAFG 234
QY 837 VTLMEVLMICRAQPEQLTDEQVYENAGFEFRDQGHVYLSRPPACQGLYELMLRCWSR 896
DB 235 VTLMEVLMICRAQPEQLTDEQVYENAGFEFRDQGHVYLSRPPACQGLYELMLRCWSR 294
QY 897 ESEORPPFSQHLRFLAEDALNTV 919
DB 295 ESEORPPFSQHLRFLAEDALNTV 317

RESULT 14

US-08-162-402B-20
Sequence 20, Application US/08162402B
Patent No. 5972337

GENERAL INFORMATION:
APPLICANT: CERIANI, ROBERTO L.
APPLICANT: PETERSON, JERRY A.
TITLE OF INVENTION: 46 KDALTON HUMAN MILK FAT
NUMBER OF INVENTION: GLOBULE (HMF) ANTIGEN, FRAGMENTS & FUSION PROTEIN
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pretty Schroeder & Poplawski
STREET: 444 South Flower St., 19th Floor
CITY: Los Angeles
STATE: CA
COUNTRY: USA
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/162,402B
FILING DATE: 03-DEC-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Yviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: P66 38215
TELECOMMUNICATION INFORMATION:
TELEPHONE: 213-622-7700
TELEFAX: 213-489-4210
TELEX:
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 156 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-08-162-402B-20

Query Match 17.0%; Score 838; DB 2; Length 156;
Best Local Similarity 100.0%; Pred. No. 7.3e-53;
Matches 156; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 30 KCRYALGMDRTIPDSISASSWSNSTAARSRSLSSSDGDCGACWCPAGSVFPEEYELQV 89

Db 1 KCAVATGMDRTIPDDISASSHSDSTAKSHRLSSDGDGACPGSVFPPEEYLOV 60
 QY 90 DLQRLHVALVGTQGRHAGGLGKEFSRYLRYSPDGRMMGNDRNGQEVISGNEDEP 149
 Db 61 DLQRLHVALVGTQGRHAGGLGKEFSRYLRYSPDGRMMGNDRNGQEVISGNEDEP 120
 QY 150 VVAKDGLPPMVAALVRFYPRADRVMSVCLRVLEYGC 185
 Db 121 VVAKDGLPPMVAALVRFYPRADRVMSVCLRVLEYGC 156

RESULT 15
 US-08-339-578-2
 Sequence 2, Application US/08339578
 Patent No. 5622862
 GENERAL INFORMATION:
 APPLICANT: Squinto, et al.
 TITLE OF INVENTION: ASSAY SYSTEMS FOR NEUTROPHIL ACTIVITY
 NUMBER OF SEQUENCES: 2
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Regeneron Pharmaceuticals, Inc.
 STREET: 777 Old Saw Mill River Road
 CITY: Tarrytown
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10591-6707
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/339,578
 FILING DATE: 14-NOV-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/690,199
 FILING DATE: 23-APR-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Kempler, Gail M.
 REGISTRATION NUMBER: 32,143
 REFERENCE/DOCKET NUMBER: 6526-061A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (914) 345-7400
 TELEFAX: (914) 345-7721
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 821 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-339-578-2

Query Match 13.2%; Score 648.5; DB 1; Length 821;
 Best Local Similarity 46.5%; Pred. No. 26-38;
 Matches 144; Conservative 45; Mismatches 79; Indels 42; Gaps 10;

QY 607 RSRLRFKKEKIGEGGEVHLC---VDSQDVLSDFLNVRKKGHLVAVKILRPDAK 663
 Db 534 RHNIYLRKELGEGAGKVFACVNLCPED-----KILVAVTKL-DASD 578
 QY 664 NASESLFSRNDLKEVYKIMSRLKDPNIRLLGVQVDDPLCMITDYMENGDLNOFLSAHQ 723
 Db 579 NA-----RKDPHREALLTNQHHEHYKFGYGVCEGDELIVFEYMKHGDINKFLRAHG 632
 QY 724 LED-KAAGCAGDGOAAGPT-ISTPMLIHVAQAISGMYLATLNFVHRLATRNCLVG 781
 Db 633 PDAVLAEGNP-----PTELQSOMLHIAQIAAGVYLAISOHFVHRLATRNCLVG 684
 QY 782 ENFTIKIADFGSRMLYAGDYRVGGRVAVLPTRMAAMECILGKFTTASDVNAFGVTIME 841
 Db 685 ENLVKIGDFGSRVDYSTDIYRVGHTMLPIRMPPESIMYRKFTTESDVMSLGVIME 744

QY 842 VLMICRAQPPGQLTDEQVIEENAGEFFRDGROYLISRPACPGQIVELMRCMSRSEQR 901
 Db 745 IFYTGK-QPWTQLSNNEVIECI-----TQGR--VLQRPFCQPEVIELMRCMQREPHTR 796
 QY 902 PPSQLHREFL 911
 Db 797 KNKSIHTLL 806

Search completed: May 29, 2003, 11:22:24
 Job time : 21 secs